

**Amendments to the Claims:**

This Listing of Claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

Claims 1-6 (canceled).

Claim 7 (new): An optical transmission system comprising:  
an optical transmission unit which receives signals of a plurality of wavelengths and multiplexes them together to transmit a desired signal;  
a first dispersion compensating filter coupled to receive the desired signal and filter it to provide a filtered signal;  
an optical unit coupled to receive the filtered signal and provide it to an optical branching filter which selects a first wavelength signal from the filtered signal and provides the filtered signal to an optical coupler which adds a second wavelength signal to the filtered signal to thereby create a further signal and provides the further signal to a second dispersion compensating filter for transmission to a receiving station.